

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date  
7 July 2005 (07.07.2005)

PCT

(10) International Publication Number  
**WO 2005/060988 A1**

(51) International Patent Classification<sup>7</sup>: **A61K 38/17**, (74) Agent: SPADORO, Marco et al.; Cavattoni-Raimondi, A61P 19/02, 19/04, 15/08 Viale dei Parioli, 160, I-00197 Roma (IT).

(21) International Application Number:  
**PCT/IT2004/000745**

(22) International Filing Date:  
21 December 2004 (21.12.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
RM2003A000595  
23 December 2003 (23.12.2003) IT

(71) Applicant (for all designated States except US): DEFIANTE FARMACEUTICA LDA. [PT/PT]; Rua dos Ferreiros, 260, 9000 082 Funchal, Madeira (PT).

(72) Inventors; and

(75) Inventors/Applicants (for US only): BOTAZZI, Barbara [IT/IT]; c/o Istituto di Ricerche Farmacologiche "Mario Negri", Via Eritrea, 62, I-20157 Milano (IT). CARMINATI, Paolo [IT/IT]; c/o Sigma-Tau Industrie Farmaceutiche Riunite S.p.A., Via Pontina, Km. 30,400, I-00040 Pomezia (IT). GARLANDA, Cecilia [IT/IT]; c/o Istituto di Ricerche Farmacologiche "Mario Negri", Via Eritrea, 62, I-20157 Milano (IT). MANTOVANI, Alberto [IT/IT]; c/o Istituto di Ricerche Farmacologiche "Mario Negri", Via Eritrea, 62, I-20157 Milan (IT).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

WO 2005/060988 A1

(54) Title: MEDICAMENT COMPRISING PTX3, ALONE OR IN COMBINATION WITH TSG-6, FOR TREATING DEGENERATIVE DISEASES OF CARTILAGE AND BONE AND TREATING FEMALE INFERTILITY

(57) Abstract: The use of pentraxin PTX3 and of its combination with TSG-6 for the preparation of a medicament for the treatment of bone or cartilage diseases and for the treatment of female infertility is described.